Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Construction Of CC Roads And Drains At Chikabommasandra Cross Roads In Ward no.04 Yelahanka Satellite Town Sub Division.

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	**Removing and refixing stone slabs** of drains and pointing in CM (1:3) (P.No-27,I No-5.33)								
	Basic rate	105.00							
	Area Weightage 6%	6.30							
	Total	**111.30**							
		Sqm							
	Chikabommasandra								
	Cross Rd-1		2	138.00	0.90		248.40		
	Cross Rd-2		2	35.00	0.90		63.00		
							311.40		
	Deduct 85% Missing Slab						264.69		
							46.71	**111.30**	**5,198.82**
2	KSRRB300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloading & Lead,8KM, (57+ 2*1.28*8)	77.48							
	Total	**215.28**							
		Cum							
	For DRAIN Desilt								
	Chikabommasandra								
	Cross Rd-1		2	138.00	0.60	0.50	82.80		
	Cross Rd-2		2	35.00	0.60	0.50	21.00		
	For RCC Drain								
	Cross Rd-3		2	35.00	1.00	0.90	63.00		
	RCC Culvert		4	5.50	1.50	0.90	29.70		
							196.50	**215.28**	**42,302.52**
3	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic Rate	5115.00							
	4.4*103.69	456.24							
	Sub total	5571.24							
	6% Area weightage	334.27							
	Total	**5905.51**							
		Cum							
	For RCC Drain								
	Chikabommasandra								
	Cross Rd-3		2	35.00	1.00	0.15	10.50		
	RCC Culvert		4	5.50	1.50	0.15	4.95		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							15.45	5905.51	91,240.13
	KSRRB M2200-6. Providing **TMT Bars Fe 500 steel reinforcement** for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I.NO 28.8.2 Page no 229, SR 2018-19)								
	Basic Rate	85468.00							
	Area Weightage 6%	5128.08							
		90596.08							
		Tn							
	Consider 60kg/cum for drain		1	20.48		0.06	1.23		
	Consider 90kg/cum for culvert		1	9.68		0.09	0.87		
							2.10	**90596.08**	**190224.59**
5	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	6*103.69	622.14							
	Sub total	7292.14							
	6% Area weightage	437.53							
	Total	**7729.67**							
		Cum							
	Chikabommasandra								
	For RCC DRAIN Raft								
	Cross Rd-1		2	138.00	0.60	0.15	24.84		
	Cross Rd-2		2	35.00	0.60	0.15	6.30		
	Cross Rd-3		2	35.00	0.75	0.15	7.88		
	For RCC DRAIN Wall								
	Cross Rd-3		4	35.00	0.15	0.60	12.60		
	For RCC DRAIN Coping								
	Cross Rd-1		4	138.00	0.15	0.15	12.42		
	Cross Rd-2		4	35.00	0.15	0.10	2.10		
							66.14		
	RCC Culvert Raft		4	5.50	1.20	0.20	5.28		
	RCC Culvert Wall		8	5.50	0.20	0.50	4.40		
							9.68		
							75.82	**7729.67**	**586024.81**
6	Providing and Fixing **Pre cast covering Slab 100mm thick** made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	**1922.00**							
		Sqm							
	Pre Cast Covering Slab								

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Chikabommasandra								
	For Item no-01						264.69		
	Cross Rd-3		2	35.00	0.75		52.50		
	Missing Slab		10		0.75		7.50		
							324.69	**1922.00**	**624054.18**
	Providing and fixing **RCC precast cover slab of 230mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	**4486.00**							
		Sqm							
	RCC Culvert Covering Slab								
			4	5.50	1.20		26.40		
							26.40	**4486.00**	**118430.40**
8	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No-13,I No-4.3 of PWD BCSR 2018-19)								
	Basic Rate	5422.00							
	4.8*103.69	497.71							
	Sub total	5919.71							
	6% Area weightage	355.18							
	Total	**6274.89**							
		Cum							
	For KERB								
	Chikabommasandra								
	Cross Rd-1		2	138.00	0.20	0.10	5.52		
							5.52	**6274.89**	**34,637.42**
9	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. (I No-5.30,P No-27 of PWD BCSR 2018-19)								
	Basic rate	408.00							
	Area Weightage 6%	24.48							
	Total	432.48							
		Nos							
	For KERB								
	Chikabommasandra								
	Cross Rd-1		2	138.00			276.00		
							276.00		
							613.00	**432.48**	**265110.24**
10	**Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	Basic rate	80.00							

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Area Weightage 6%	4.80							
Total	84.80							
	Sqm							
For KERB								
Chikabommasandra								
Cross Rd-1		2	138.00		0.30	82.80		
						82.80	84.80	7,021.44
							Total Construction Cost	1964244.55
							Towards GST 12%	235709.35
							Sub Total	2199953.90
							Miscellaneous & Rounding Off	46.10
							Total	2200000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 02-11-2021 and Data Rates

Assistant Engineer
Ward 04
BBMP Bangalore

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Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Administrative Approval
Accorded For ....22.00 lakhs.
Head of A/C....3726.....
CER NO :....62..... Dt:13/12/2021

TA

CE (YNK)

Technical Sanction
Accorded For ....22.00 lakhs.
Head of A/C....3726.....
CER NO :....65..... Dt:13/12/2021